

Design-Build Projects over \$50 Million

Citation of Law or Resolution:	136-28
Section Number:	11 (e)
Due Date:	As Needed
Submission Date:	16 Nov 11

Receiving Entities:

Joint Legislative Transportation Oversight Committee

Submitting Entity:

Department of Transportation



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

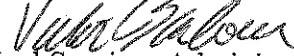
EUGENE A. CONTI, JR.
SECRETARY

November 14, 2011

TO: Senator Bill Rabon
NC Senate
2108 Legislative Building
Raleigh, North Carolina 27601-2808

Representative Phillip Frye
NC House of Representatives
639 Legislative Office Building
Raleigh, North Carolina 27603-5925

Representative Grey Mills
NC House of Representatives
2221 Legislative Building
Raleigh, North Carolina 27603-5925

FROM: Victor Barbour 
NCDOT Technical Services Administrator

G.S. 136-28.11 requires the Department to report to the Chairs of the Joint Legislative Transportation Oversight Committee regarding the use of Design-Build for any transportation project in excess of \$50 Million. Please find attached such reports for two upcoming Design-Build projects.

Please contact Rodger Rochelle at 919-707-6601 with any questions.

cc: Beau Memory(w)
Rodger Rochelle (w)

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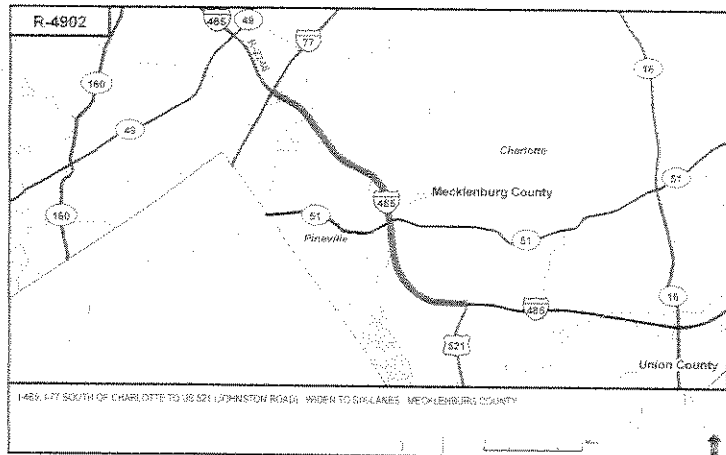
LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
FIRST FLOOR
RALEIGH NC

Design-Build Project Synopsis

TIP Project R-4902

Widening of I-485 (Charlotte Outer Loop)

Pursuant to §136-28.11, this synopsis details the intent to use the Design-Build delivery method for the subject project. TIP Project R-4902 is the widening of I-485 (Charlotte Outer Loop) from I-77 to Rea Road in Mecklenburg County. The project is approximately 8.3 miles in length. Additional inside lanes will be added in each direction. The proposed lane improvements will be constructed within the existing right of way. In addition to additional inside lanes, the project also includes a new flyover from US 521 North to I-485 West, construction of an auxiliary lane to the outside shoulder of westbound I-485 from US 521 to NC 51 (Pineville-Matthews Road), and the widening of twelve existing bridges on I-485.



The purpose of this project is to increase system capacity and improve efficiency on I-485 for local and regional traffic.

I-485 is the primary circumferential freeway in the Charlotte metropolitan area. Between I-77 and US 521, I-485 serves as a crucial east-west connector for local commuters, and functions as a bypass for regional traffic to I-85, I-77, US 521 and US 74. This segment of I-485 is one of the most congested freeways in the state of North Carolina, and was deemed 31st on a list of the 50 worst commutes in the United States.

The Design-Build contract will include design, site investigations, permitting, utility coordination and relocation, railroad coordination, as well as the construction of the additional lanes and features listed above. The aforementioned preconstruction activities will be performed in parallel by a team of contractors and multi-disciplinary private engineering firms to expedite delivery of the project. It is anticipated that all preconstruction activities will be completed within nine months of the contract award date. The participation of the construction contractors will enhance innovation, improve constructability of the project and further expedite delivery.

The contract will be awarded using a best-value procurement method in accordance with the NCDOT Design-Build Policy and Procedures adopted by the Board of Transportation on October 6, 2011. The project will be managed, the contract written and the design submittals reviewed by the NCDOT Transportation Program Management Unit commensurate with past and present Design-Build projects.

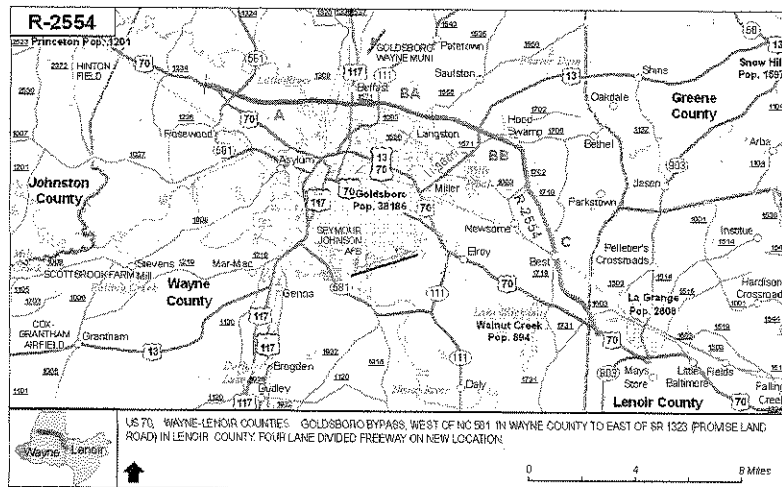
The most recent preliminary estimate for this project is \$85,000,000. For further information about this project or the Design-Build Program, please contact Mr. Rodger Rochelle, Director of the Transportation Program Management Unit at (919) 707-6601.

Design-Build Project Synopsis

TIP Project R-2554BB & C

US 70 (Goldsboro Bypass) from SR 1556 (Wayne Memorial Drive) to SR 1323 (Promise Land Road)

Pursuant to §136-28.11, this synopsis details the intent to use the Design-Build delivery method for the subject project. TIP Project R-2554BB & C is the construction of a four-lane divided facility (US 70 Bypass) from SR-1556 (Wayne Memorial Drive) in Wayne County to East of SR 1323 (Promise Land Road) in Lenoir County. The project is roughly 12.5 miles in length.



The purpose of this project is to improve safety, increase capacity to meet projected transportation needs, and reduce travel times. Additional community benefits anticipated by the construction of the proposed roadway include: (1) Improved roadway safety along the US 70 Corridor between Raleigh and Morehead City by reducing congestion, controlling access, and reducing regional traffic volumes along the existing US 70; and (2) Traffic capacity along the portion of US 70 Corridor through the Goldsboro Area will be increased.

The facility will also support other transportation development in the area including: (1) Expansion of runway at the Goldsboro-Wayne Municipal Airport; (2) Construction of a 15,300 Global TransPark at Kinston, NC (3) Continued growth at Seymour-Johnson Air Force Base; (4) Improved capacity to serve Wayne County Industrial and Business Park.

US 70 is a key transportation corridor in North Carolina and its importance has been noted with its designation as an Intrastate Route. The need for the facility is not only warranted based on the projected changes in population and growth, but has been demonstrated by the *Goldsboro Thoroughfare Plan (1996)* and the *US 70 Corridor Study, Raleigh to Morehead City (1990)*.

The Design-Build contract will include design, traffic management, site investigations, utility relocation activities, permitting, and construction of the facility. The aforementioned preconstruction activities will be performed in parallel by a team of contractors and multi-disciplinary private engineering firms to expedite delivery of the project. It is anticipated that all preconstruction activities will be completed within twelve months of the contract award date. The participation of the construction contractors will enhance innovation, improve constructability of the project and further expedite delivery.

The contract will be awarded using a best-value procurement method in accordance with the NCDOT Design-Build Policy and Procedures adopted by the Board of Transportation on October 6, 2011. The project will be managed, the contract written and the design submittals reviewed by the NCDOT Transportation Program Management Unit commensurate with past and present Design-Build projects. The most recent preliminary estimate for this project is approximately \$140 Million.

For further information about this project or the Design-Build Program, please contact Mr. Rodger Rochelle, PE, Director of the Transportation Program Management Unit at (919) 707-6601.